## **Small Water System Disinfection and Fluoridation**

## Day 1

8:00 - 8:30 Registration & Pre-test

8:30 - 10:00 Introduction to Chlorine Disinfection

10:00 - 10:15 Break

10:15 – 11:00 Microbiology: Pathogens (Bacteria, Protozoa, and Viruses)

11:00 – 12N Hands – on: Measuring Chlorine Residuals

12:00 - 1:00 Lunch Break (On Your Own)

1:00 - 2:00 Introduction to Chemical Feed Pumps

2:00 - 5:00 LMI Chemical feed pumps (Repair & Maintenance Kit Installation)

## Day 2

8:00 – 10:00 Introduction to Dosage and Concentration Calculations

(Disinfection Calculations : Wells, Mains and Tanks)

10:00 - 10:15 Break

10:15 - 10:45 Group Disinfection Exercises

10:45 -12:00 Disinfection of Wells per ANSI/AWWA C654-03

11:15 - 12:00 Post Test

12:00 - 1:00 Lunch Break

1:00 - 1:20 Test Review and Break

1:20 - 2:00 Hands-on LMI Pump Installation and Flooded Suction

2:00 – 3.00 Hands-on LMI Pump Installation and Flooded Suction (Continued)

3:00 - 3:15 Break

3:15 - 4:45 LMI Pump calibration calculations

## Day 3

8:00 - 9:00 Pre-test and Introduction to Fluoridation

9:00 - 10:00 Fluoride Chemicals

10:00 - 10:15 Break

10:15 -11:45 Fluoridation Systems

11:45 - 12:00 Post Test

12:00 - 1:00 Lunch Break

1:00 - 1:30 Test Review and Break

1:30 - 3:00 Calculations for Fluoridation Systems

3:00 - 3:15 Break

3:15 - 4:30 Hands-on; Measuring Fluoride